

**AN/VDR-2 RADIAC SET with the CHECK SOURCE
NSN 6665-01-222-1425**

******IMPORTANT NOTE******

Shipment of the AN/VDR-2 RADIAC Set does NOT require shipment as a Class 7 (Radioactive) shipment. The AN/VDR-2 RADIAC Set contains 2.22E+03 Becquerels (Bq) of Thorium (Th)-232. Transportation regulations have assigned the Exempt Consignment Activity for Th-232 as 1.0E+04 Bq and do not consider shipments of Th-232 in consignments with an activity of less than or equal to 1.0E+04 Bq as Class 7 (Radioactive).

Consignments containing up to 4 each AN/VDR-2 assets may be shipped and still meet the Exempt Consignment Activity of 1.0E+4 Bq. Consignments of Th-232 of GREATER than the Exempt Consignment Activity of 1.0E+04 Bq must be made as a Class 7 (Radioactive) shipment as indicated below.

******END NOTE******

Isotope and Activity: Th-232, 2.22E+03 Bq (60 nCi).

Proper Shipping Name/Hazard Class/UN Number:

Radioactive material, excepted package - limited quantity of material/7/UN2910.

Chemical and/or Physical Form: Metal foil, solid.

Construction Form: Normal form.

Package Requirements:

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The word "RADIOACTIVE" (non-specification marking) is required on the outside of the inner packaging or if there is no inner packaging, on the outside of the packaging itself.
- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.

- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

Survey Requirements:

Radiation Survey: Required prior to shipment.

- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 22 dpm/cm² (alpha).

Additional Requirements: Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Additional Comments:

- There is no limit to the number of AN/VDR-2 RADIAC Sets that you may ship per package.
- You may mail (USPS) as many AN/VDR-2 RADIAC Sets as necessary. All other 49 CFR conditions applicable to excepted packages for limited quantities of Class 7 materials, as indicated above, also apply to this USPS shipment.